

SYSTEM FOR DIGITAL BOWEL SUBTRACTION AND  
POLYP DETECTION AND RELATED TECHNIQUES

Michael E. Zalis  
MGH-005AUS

1/20

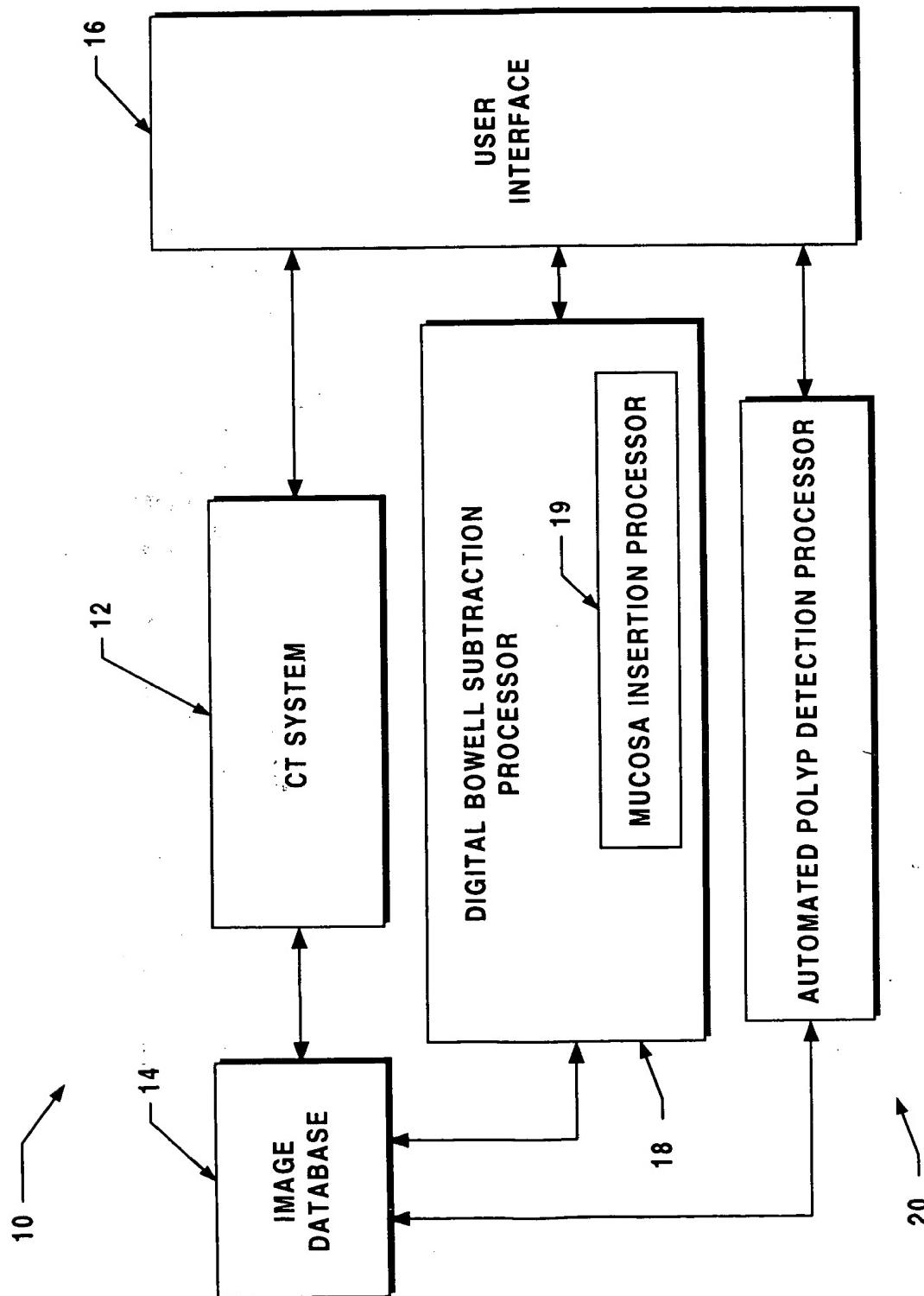


FIG. 1

SYSTEM FOR DIGITAL BOWEL SUBTRACTION AND  
RIPPLE DETECTION AND RELATED TECHNIQUES  
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2/20

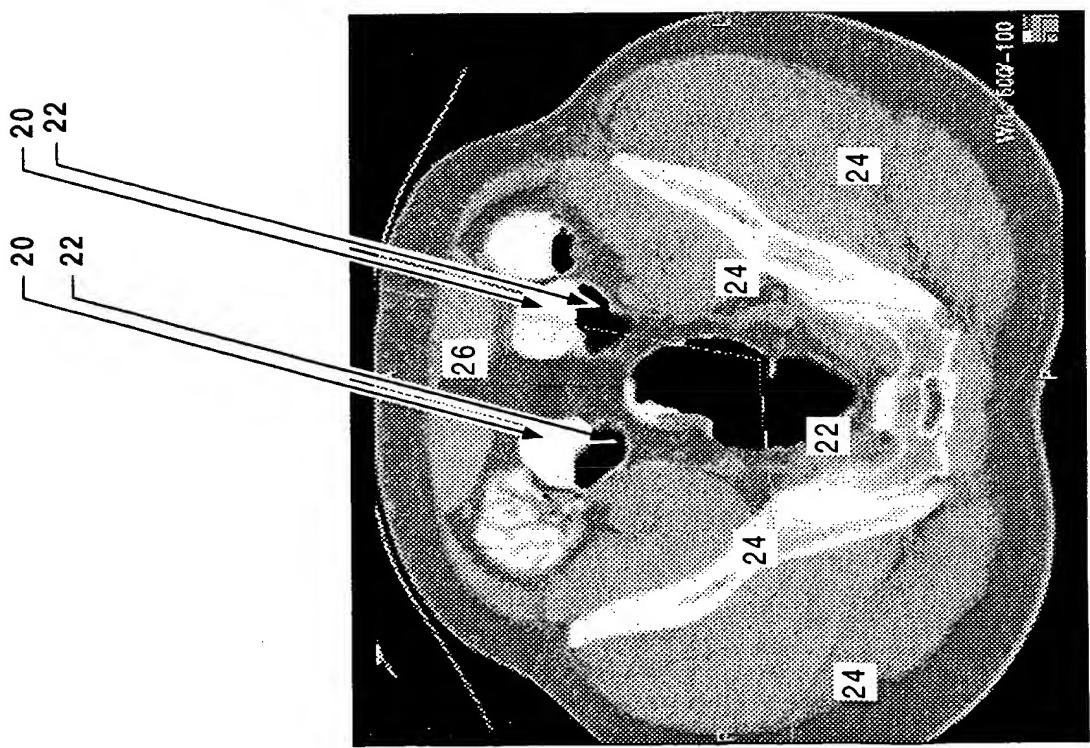
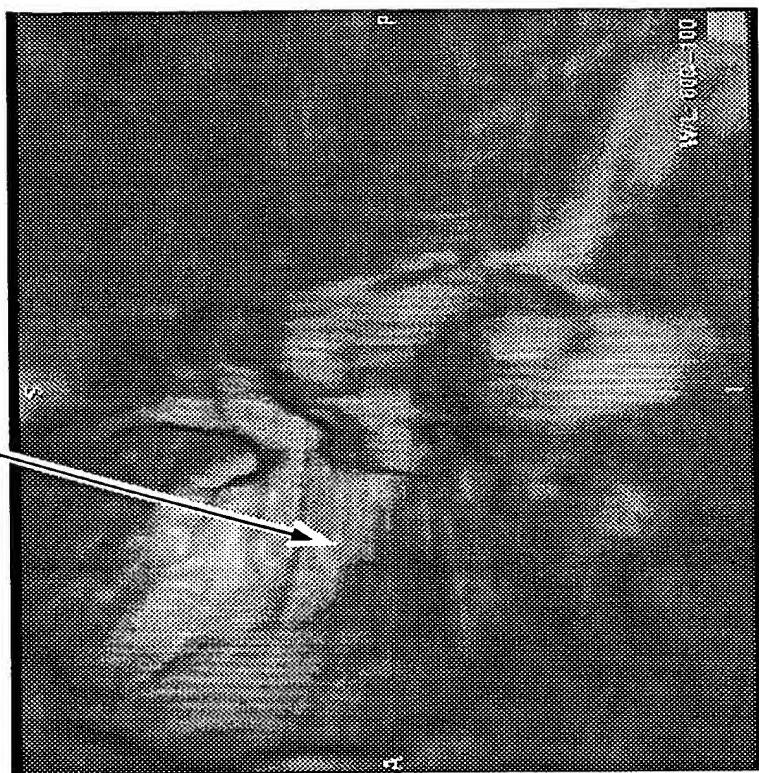


FIG. 1B

19B →

FIG. 1A

19A →

SYSTEM FOR DIGITAL BOWEL SUBTRACTION AND  
FLUOROGRAM DETECTION AND RELATED TECHNIQUES  
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3/20

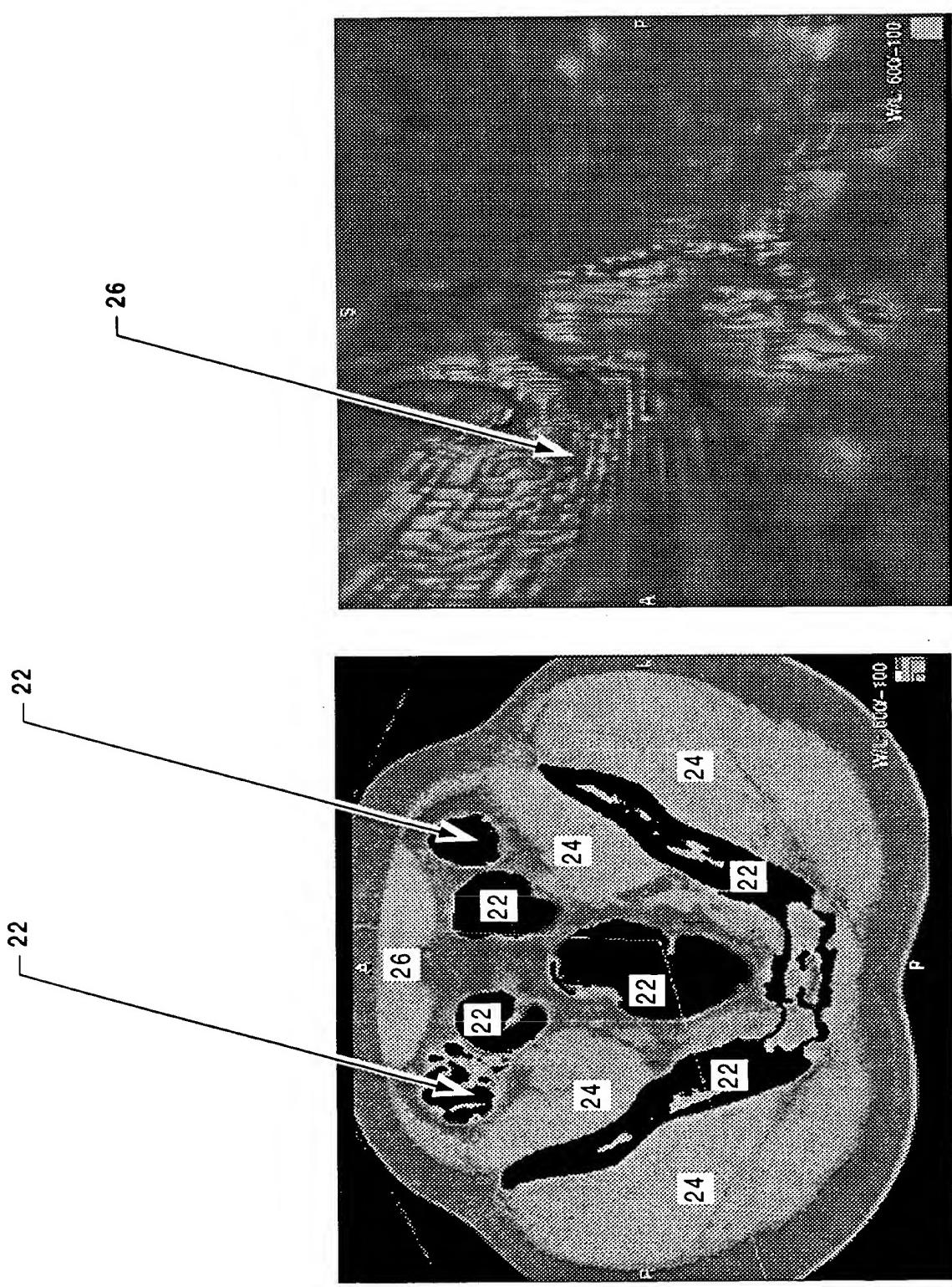


FIG. 1D

19D →

FIG. 1C

19C →

SYSTEM FOR DIGITAL BOWEL SUBTRACTION AND  
FECAL MASS DETECTION AND RELATED TECHNIQUES  
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4/20

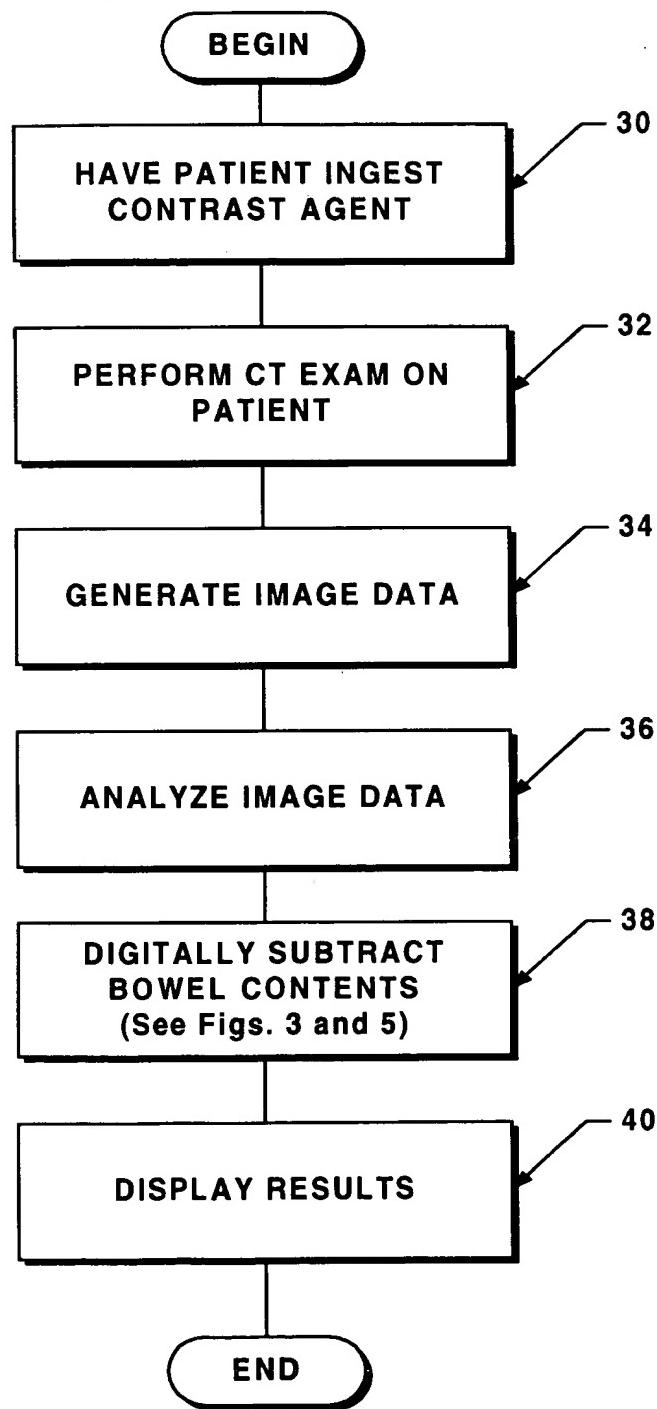


FIG. 2

SYSTEM FOR DIGITAL BOWEL SUBTRACTION AND  
RIPPLE DETECTION AND RELATED TECHNIQUES  
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5/20

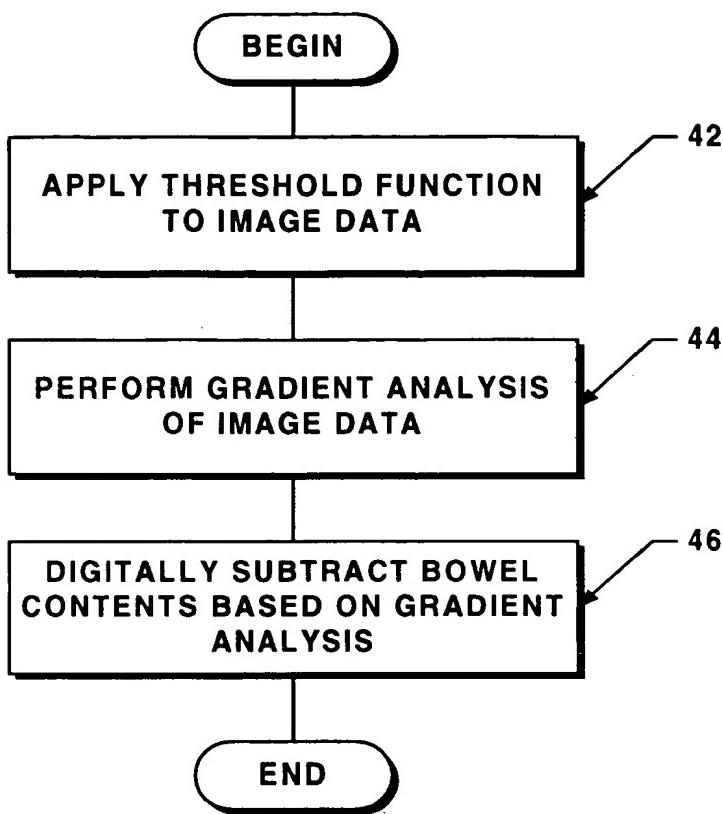


FIG. 3

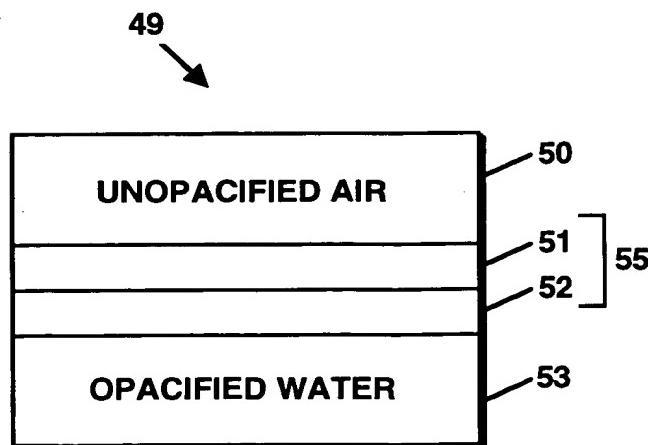
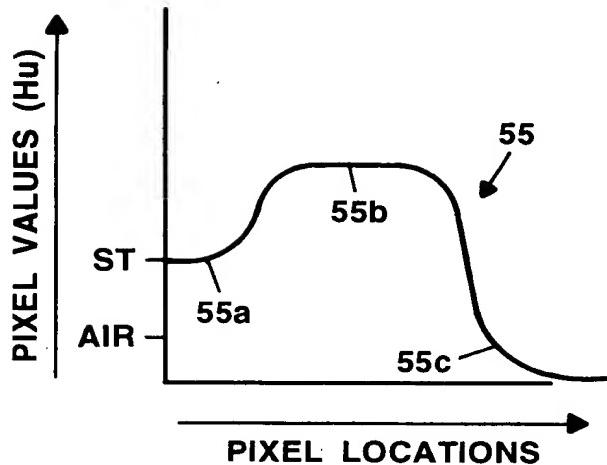


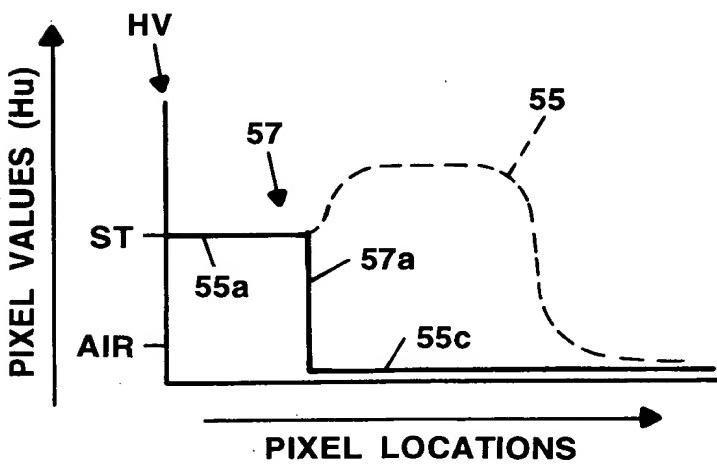
FIG. 4

SYSTEM FOR DIGITAL BOWEL SUBTRACTION AND  
ROPE DETECTION AND RELATED TECHNIQUES  
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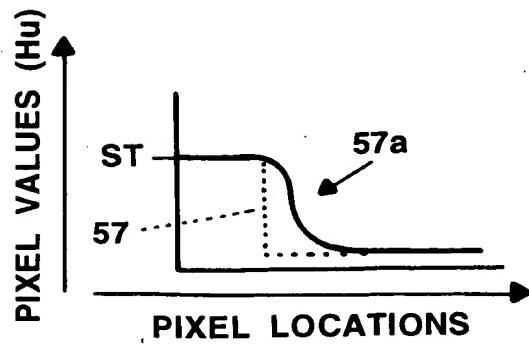
6 /20



**FIG. 4A**



**FIG. 4B**



**FIG. 4C**

SYSTEM FOR DIGITAL BOWEL SUBTRACTION AND  
FLUOROGRAM DETECTION AND RELATED TECHNIQUES  
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7/20

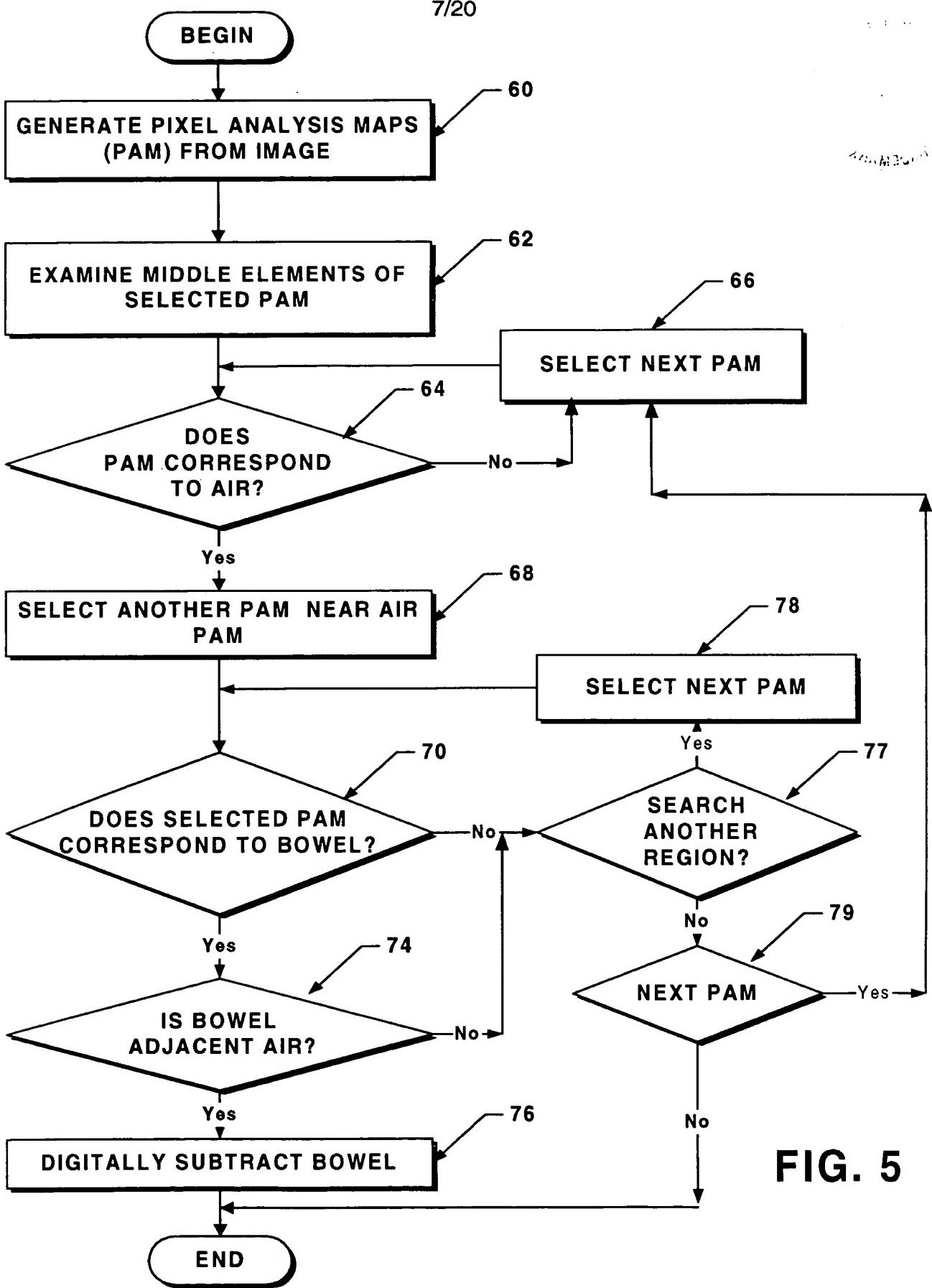
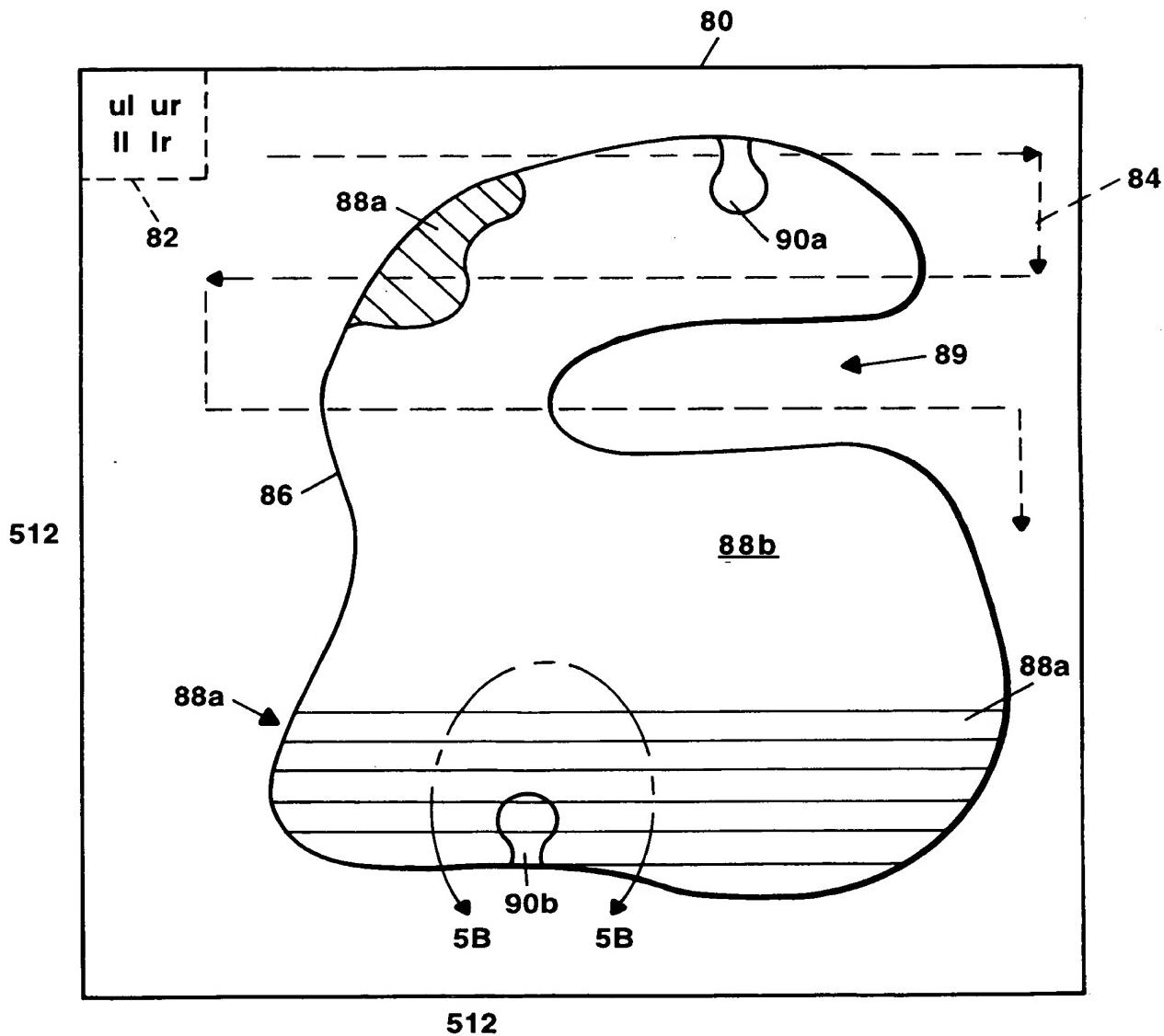


FIG. 5

SYSTEM FOR DIGITAL BOWEL SUBTRACTION AND  
FIBROP DETECTION AND RELATED TECHNIQUES  
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8/20



**FIG. 5A**

SYSTEM FOR DIGITAL BOWEL SUBTRACTION AND  
FECAL PATTERN DETECTION AND RELATED TECHNIQUES  
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9/20

FIG. 5C

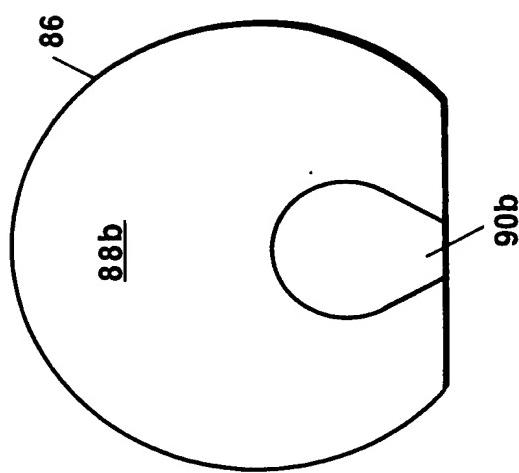
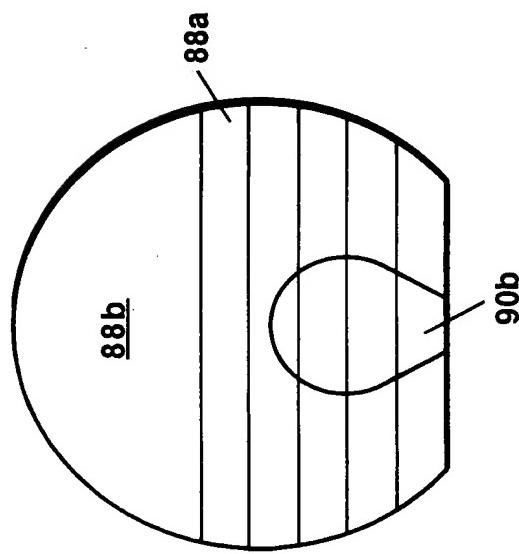


FIG. 5B



SYSTEM FOR DIGITAL BOWEL SUBTRACTION AND  
POLYP DETECTION AND RELATED TECHNIQUES  
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10/20

82' →

NW			NI		Nr		NE
	nw x	NL x	NI x	Nr X	nR x	ne x	
	Uw x	UL o	Ul o	Ur o	UR o	Ue x	
uW	uw x	uL o	ul 91a	ur 91b	uR o	ue x	uE
IW	lw x	IL o	ll 91c	lr 91d	IR o	le x	IE
	Lw x	LL o	Li o	Lr o	LR o	Le x	92
SW			SI	Sr			SE
-							

FIG. 5D

11/20

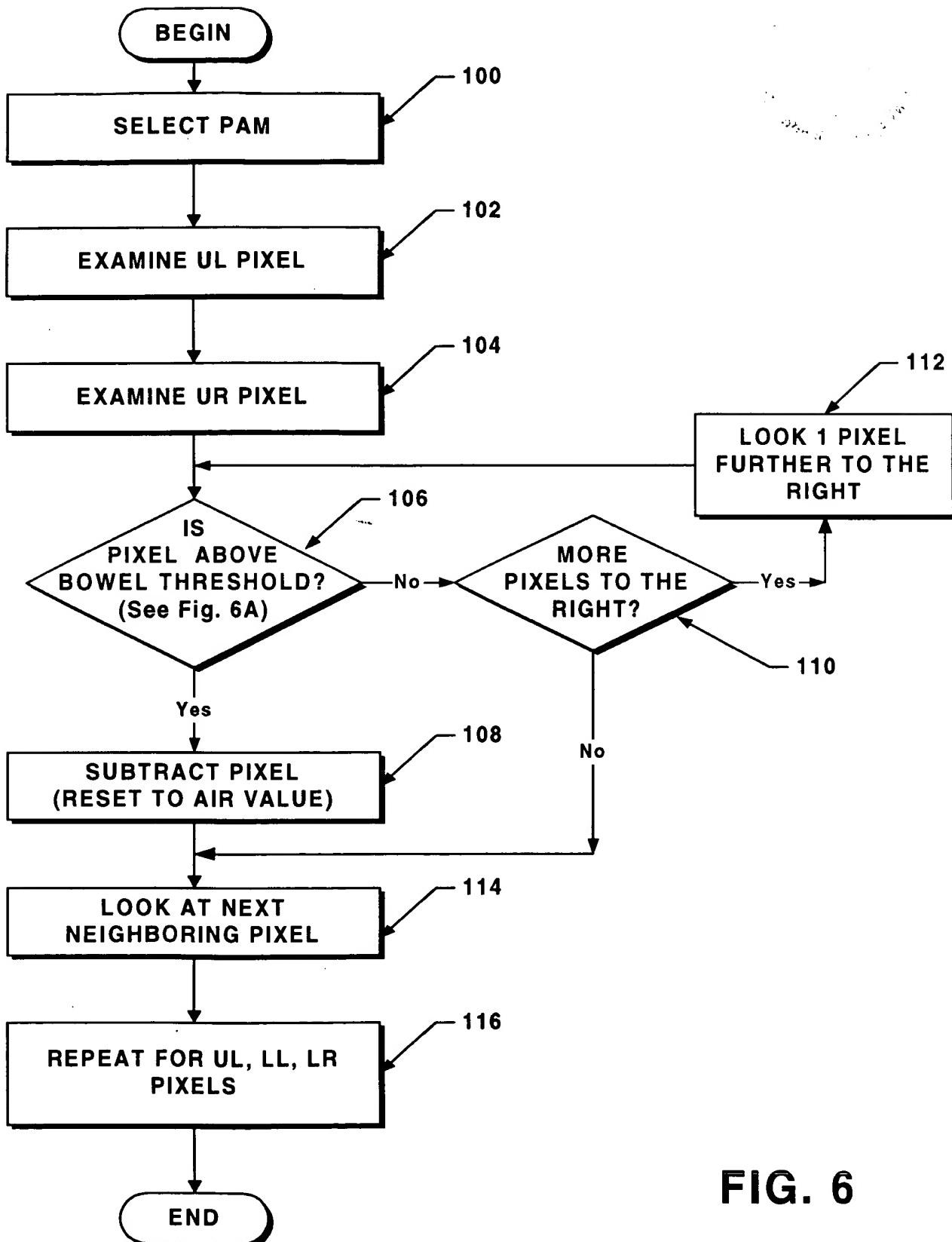
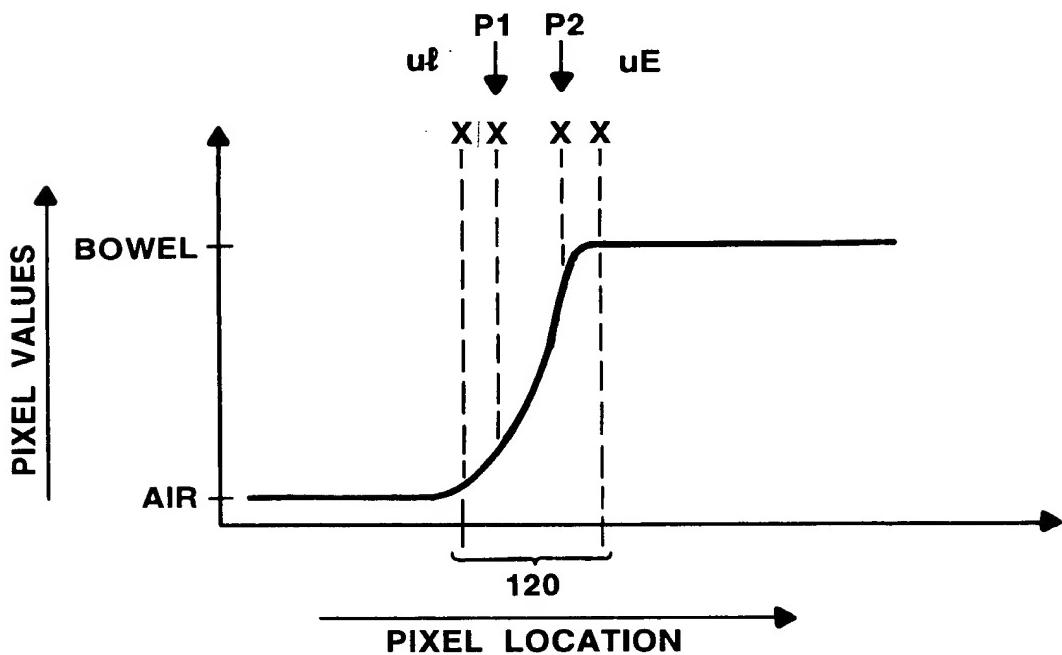


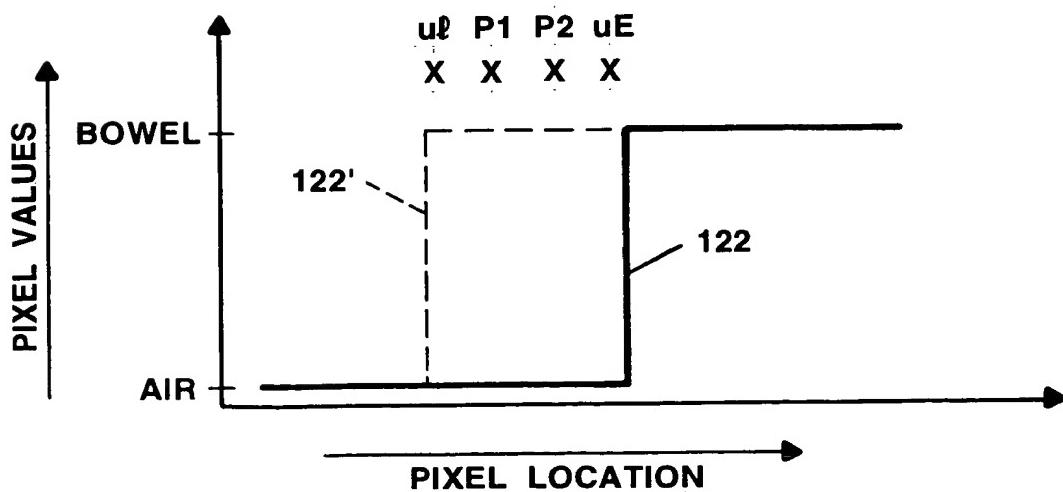
FIG. 6

SYSTEM FOR DIGITAL BOWEL SUBTRACTION AND  
FECAL DETECTION AND RELATED TECHNIQUES  
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12 /20



**FIG. 6A**



**FIG. 6B**

SYSTEM FOR DIGITAL BOWEL SUBTRACTION AND  
POLYP DETECTION AND RELATED TECHNIQUES  
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13/20

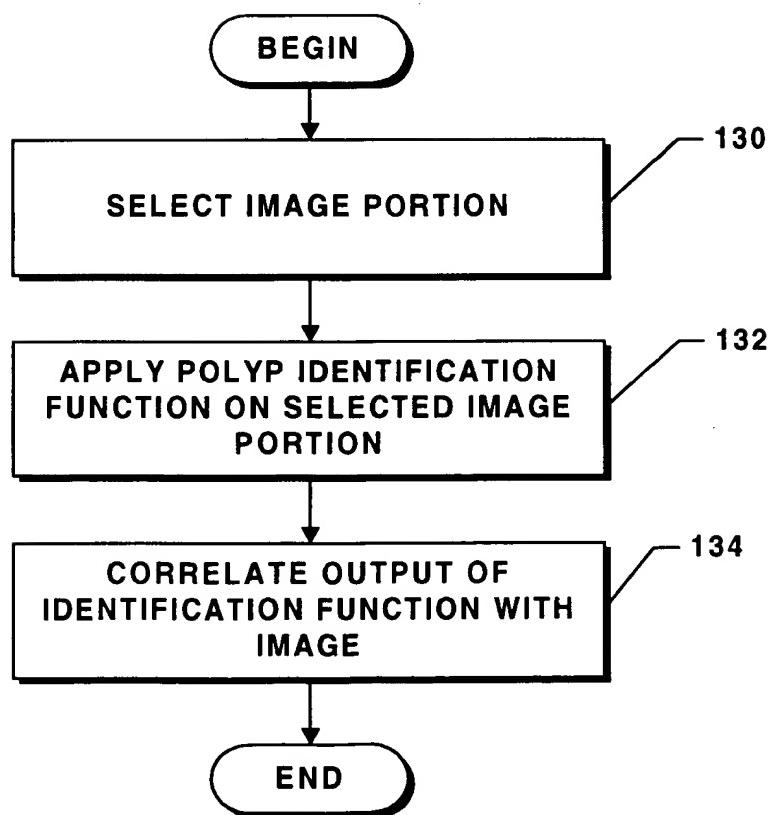


FIG. 7

SYSTEM FOR DIGITAL BOWEL SUBTRACTION AND  
POLYP DETECTION AND RELATED TECHNIQUES  
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14/20

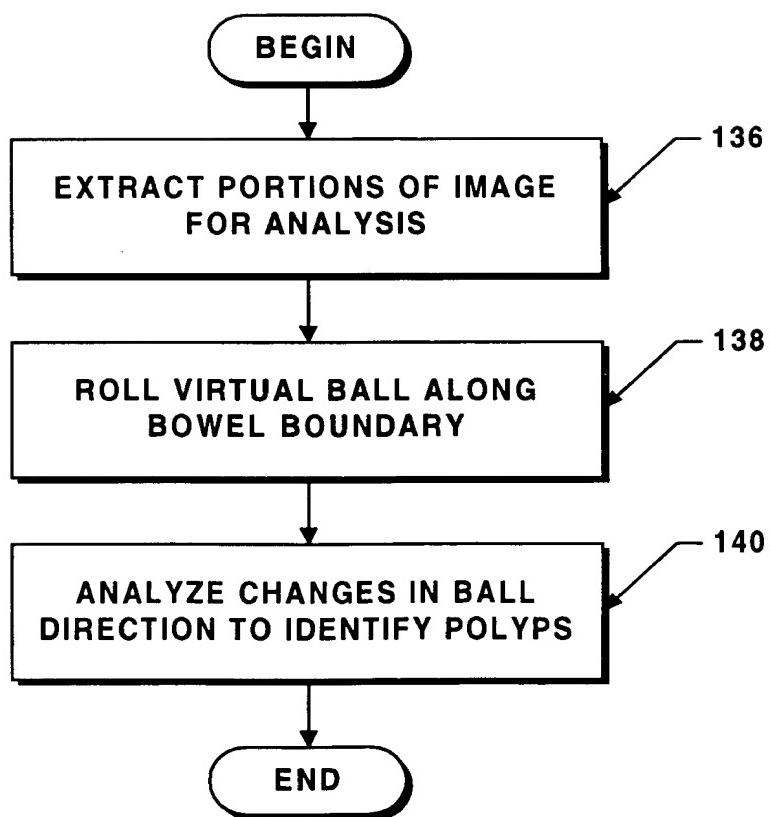


FIG. 8

SYSTEM FOR DIGITAL BOWEL SUBTRACTION  
POLYP DETECTION AND RELATED TECHNIQUES

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15/20

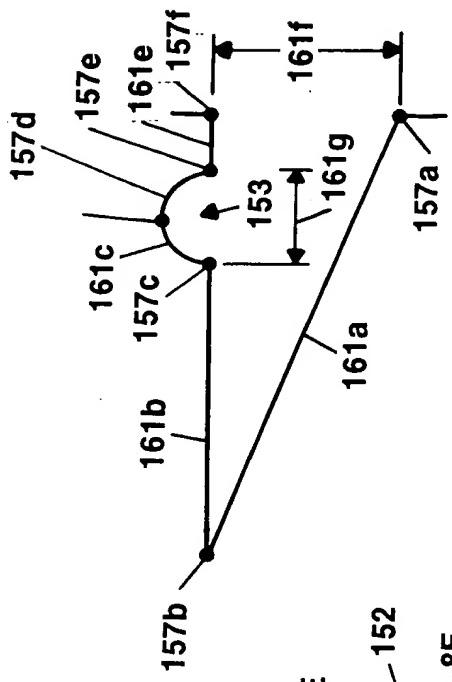


FIG. 8E

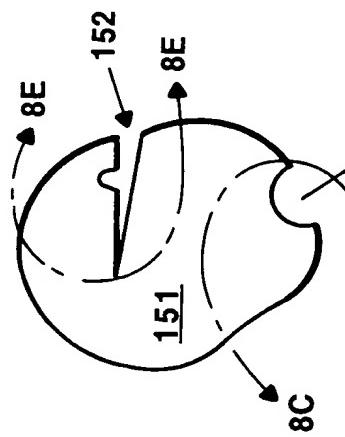


FIG. 8B

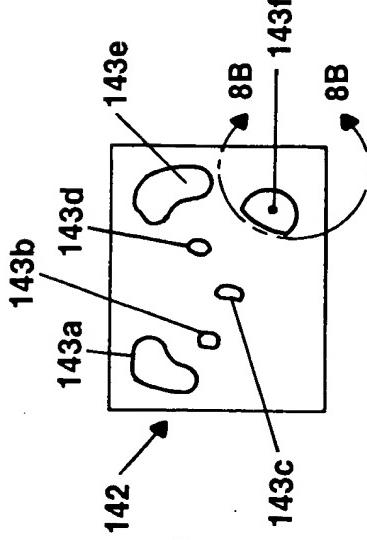


FIG. 8A

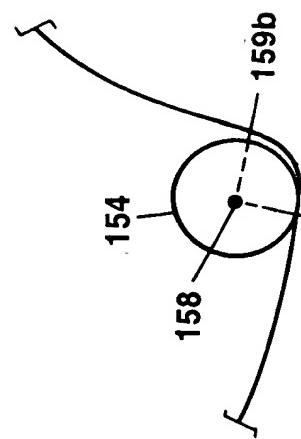


FIG. 8D

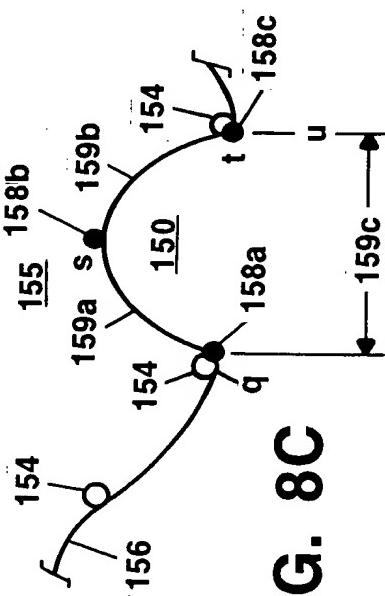
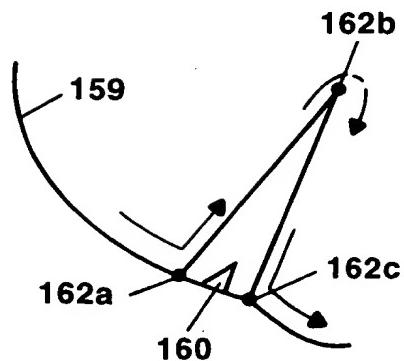


FIG. 8C

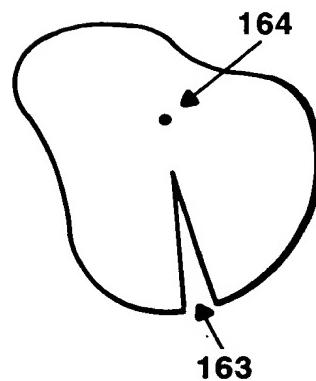
SYSTEM FOR DIGITAL BOWEL SUBTRACTION AND  
POPP DETECTION AND RELATED TECHNIQUE

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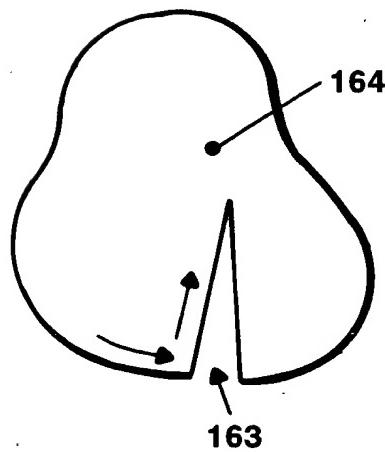
16/20



**FIG. 8F**



**FIG. 8G**

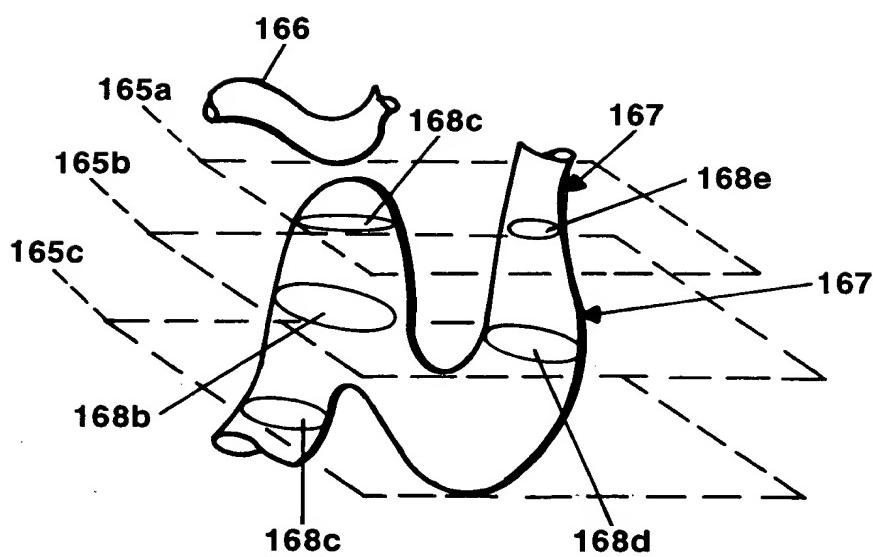


**FIG. 8H**

SYSTEM FOR DIGITAL BOWEL SUBTRACTION AND  
POOP DETECTION AND RELATED TECHNIQUE

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17/20



**FIG. 8I**

SYSTEM FOR DIGITAL BOWEL SUBTRACTION AND  
POPP DETECTION AND RELATED TECHNIQUE  
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18 /20

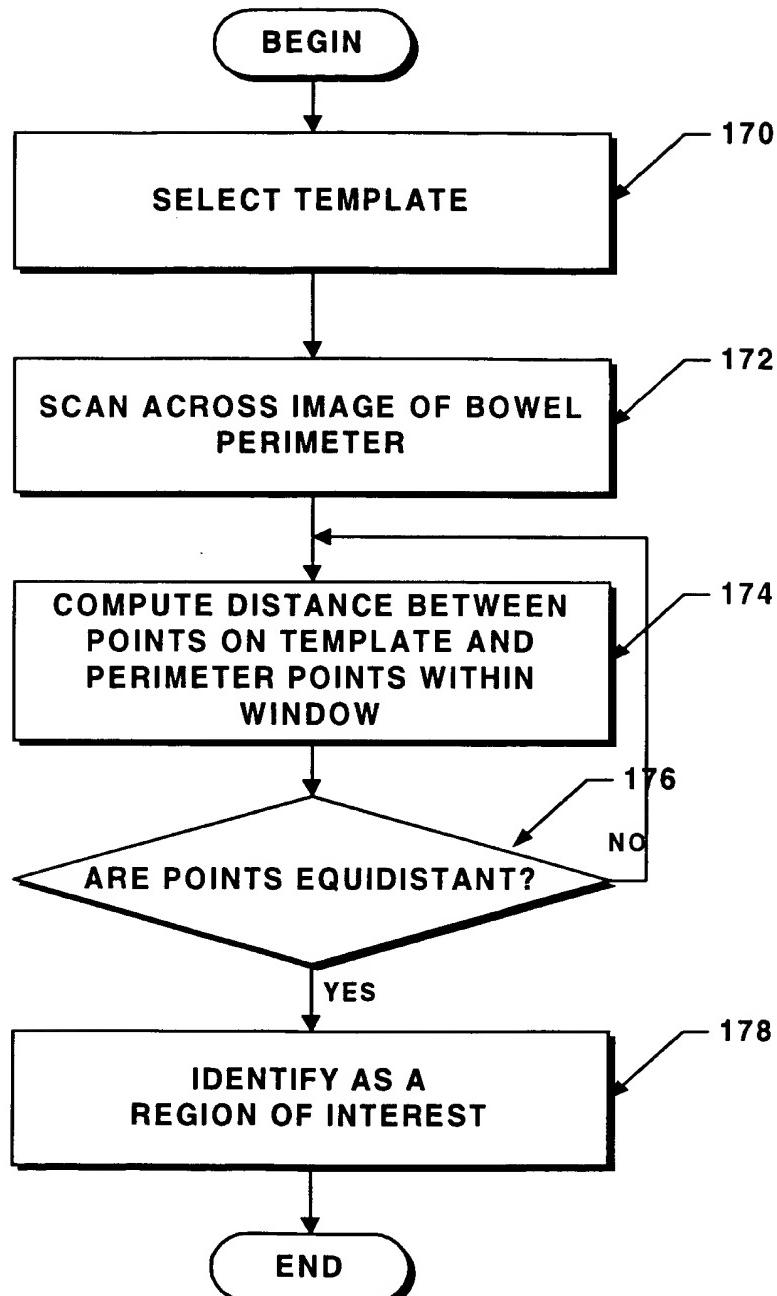
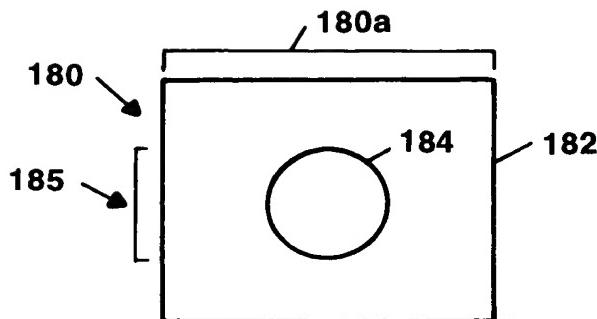


FIG. 9

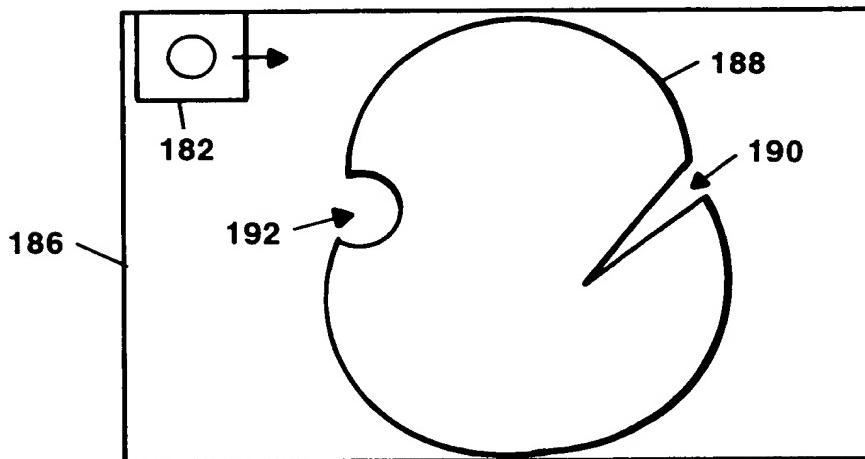
SYSTEM FOR DIGITAL BOWEL SUBTRACTION AND  
POOP DETECTION AND RELATED TECHNIQUE

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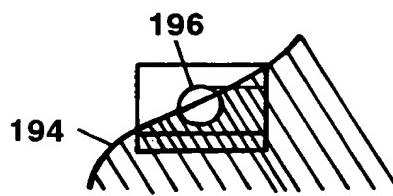
19/20



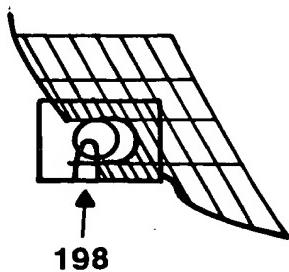
**FIG. 9A**



**FIG. 9B**



**FIG. 9C**



**FIG. 9D**

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RIPPLE DETECTION AND RELATED TECHNIQUE  
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20 /20

FIG. 9E

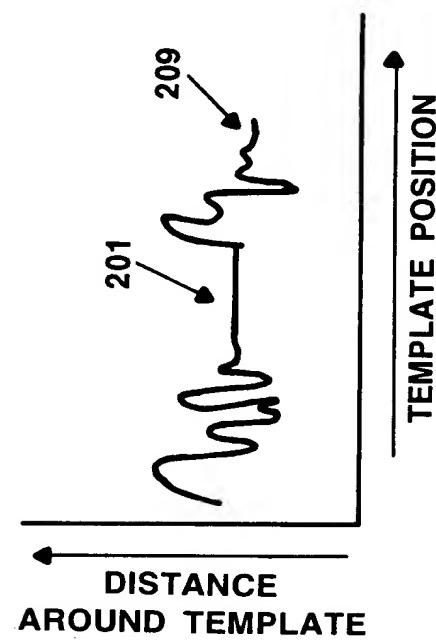
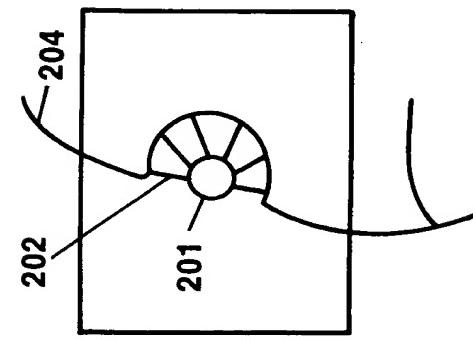
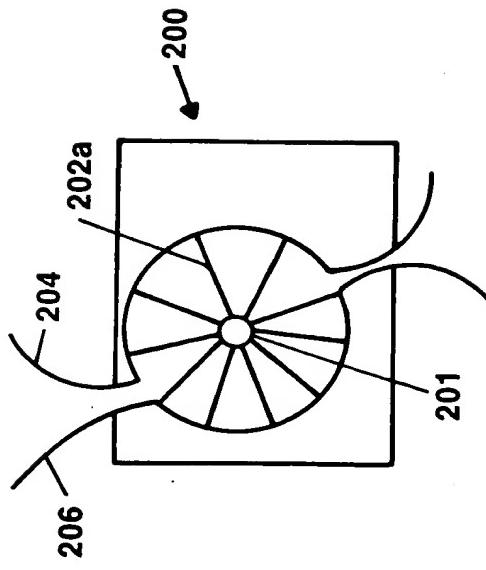


FIG. 9F

FIG. 9G